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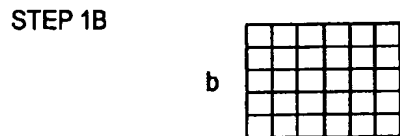
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(54) Title: FORMING AN IMPERMEABLE SINTERED CERAMIC ELECTROLYTE LAYER ON A METALLIC FOIL SUBSTRATE FOR SOLID OXIDE FUEL CELL



(57) Abstract: An impermeable sintered ceramic electrolyte layer of a solid oxide fuel cell is formed by depositing ceramic powder on a substrate using electrophoretic deposition, isostatically pressing that deposited ceramic layer and then heating the compressed ceramic powder layer at temperatures below 1000 °C. In preferred embodiments the ceramic thick film fuel cell assembly is formed upon a ferritic stainless steel substrate.

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